

Power Cost Memorandum Fuel Cost Update

Date: **December 17, 2020**

Utility Name (Cert. No.) (420) Beaver Village Electrical Utilities	Utility File No. PC52-10170	Date Filed: November 9, 2020
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PCE AMOUNT SUMMARY	Previously Approved PC52-1017N	Staff Recommended Amount(s) and Effective Date PC52-1017O
Class Rate	<u>Date Approved:</u> August 21, 2020	December 18, 2020
Residential	\$0.5449	\$0.5523
Community Facilities	\$0.5449	\$0.5523
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: <u>\$ 3.1896</u>	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	New Fuel Purchase Price: <u>\$ 3.2693</u>	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____	Updated _____	

Weighted Average Fuel Price/Gal. Calculation					
	<u>Gallons</u>		<u>Price</u>		
On-hand	100	X	3.1896	=	318.96
Delivered	9,158	X	3.2702	=	29,949.31
	<u>9,258</u>				<u>\$ 30,268.27</u>
					Weighted Average
					<u>\$ 3.2693</u>

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 12/17/20)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
McAlpine		<u>SM</u> EM		
Scott		<u>AGS</u> KGS		
Sullivan		<u>JS</u> JS		
Wilson		<u>JW</u> JW		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Beaver Village Electric Utilities

POWER COST EQUALIZATION CALCULATION

For the Test Period Ending: June 30, 2017

Fuel Cost Update

		PC52-1017N	PC52-1017O	
		Prior Commission Approval	Utility Request	Staff Recommended
A.	Total kWh Generated	259,376	259,376	259,376
B.	Total kWh Sold (Appendix 2)	251,156	251,156	251,156
C.	Total Non-Fuel Costs (Appendix 2)	117,033	117,033	117,033
D.	Non-Fuel Cost/kWh (C / B)	\$0.4660	\$0.4660	\$0.4660
E.	Total Fuel Costs (Appendix 2)	78,829	80,799	80,799
F.	Fuel Costs/kWh (E / B)	\$0.3139	\$0.3217	\$0.3217
G.	Eligible Costs/kWh (D + F)	\$0.7798	\$0.7877	\$0.7877
H.	Eligible Cost/kWh (G) Less 20.63 cents/kWh	\$0.5735	\$0.5814	\$0.5814
I.	Lesser of (H) or 79.37 cents/kWh	\$0.5735	\$0.5814	\$0.5814
J.	Average Class Rates (Appendix 3) Residential Community Facilities	\$0.6937 \$0.7937	\$0.6937 \$0.7937	\$0.6937 \$0.7937
Class Power Cost Equalization Per kWh Payable				
K.	Lesser of: (I) x 95% or (J) Residential Community Facilities	\$0.5449 \$0.5449	\$0.5523 \$0.5523	\$0.5523 \$0.5523
L.	Funding Level in Effect	100%	100%	100%
	Residential	\$0.5449	\$0.5523	\$0.5523
	Community Facilities	\$0.5449	\$0.5523	\$0.5523

PC52-1017O
Appendix 1

Beaver Village Electric Utilities

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY

For the Test Period Ending: June 30, 2017

Fuel Cost Update

				PC52-1017N	PC52-1017O	
				Prior Commission Approval	Per Utility	Staff Recommended
Non-Fuel Costs:						
A.	Personnel Costs			76,416	76,416	76,416
B.	Operating Expenses			34,697	34,697	34,697
C.	General & Administrative			6,639	6,639	6,639
D.	Depreciation			5,935	5,935	5,935
E.	Interest Expense			-	-	-
F.	Other (Describe) Fuel income			(6,654)	(6,654)	(6,654)
G.	Total Non-Fuel Costs			\$117,033	\$117,033	\$117,033
Fuel Costs:						
H.	Gallons Consumed for Electric Generation			24,714	24,714	24,714
I.	Wtd. Avg. Price of Fuel			\$3.1896	\$3.2693	\$3.2693
J.	Total Cost of Fuel (H x I)			\$78,829	\$80,799	\$80,799
K.	kWh Generated			259,376	259,376	259,376
L.	kWh Sales			251,156	251,156	251,156
M.	kWh Station Service			40	40	40
N.	Efficiency (K/H)	≥	<u>Standard</u> 10.5	10.50	10.50	10.50
O.	Line Loss	≤	12%	3.15%	3.15%	3.15%
(kWh Generated -(kWh Sales + Station Service))/kWh Sales						
<u>Fuel Purchases:</u>						
	On Hand	100	x	\$3.1896		
	Purchase	9,158	x	\$3.2702		
	TOTAL	<u>9,258</u>				
					= Average Cost	3.2693

PC52-1017O
Appendix 2

Beaver Village Electrical Utilities

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2063 /kWh
500	0.9000	0.0000	0.9000	450.00	0.9000	0.6937
500				450.00	0.9000	0.6937
TOTAL (A)						(E)

Rate Schedule: Community Facilities

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2063 /kWh
700	1.0000	0.0000	1.0000	700.00	1.0000	0.7937
700				700.00	1.0000	0.7937
TOTAL (A)						(E)

Beaver Village Electric Utilities

	Date	Gallons	Cost per Gallon	Delivery/ Mark-up per Gallon	Total Cost
Beginning Fuel Inventory		100			
Last Approved Fuel Cost/Gal.			\$ 3.1896		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal.	=	Beginning Fuel Inventory Cost	\$ 318.96
Reporting Period Purchases	09/10/20	1,600.0	3.7420		5,987
	09/10/20	3,197.7	3.2600		10,425
	10/27/20	4,360.5	3.1046		13,538
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		9,158			29,949
Grand Totals (beginning inventory plus purchases)		9,258			\$ 30,268
Total Cost for Reporting Period divided by Total Gallons for Reporting Period =					\$ 3.2702
Grand Total Cost divided by Grand Total Gallons =					\$ 3.2693

Note: Staff included the AK State Fuel Surcharge of \$0.0095/gallon and the LUST of \$0.001 in the cost of fuel .

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